FUSION-MSTE660

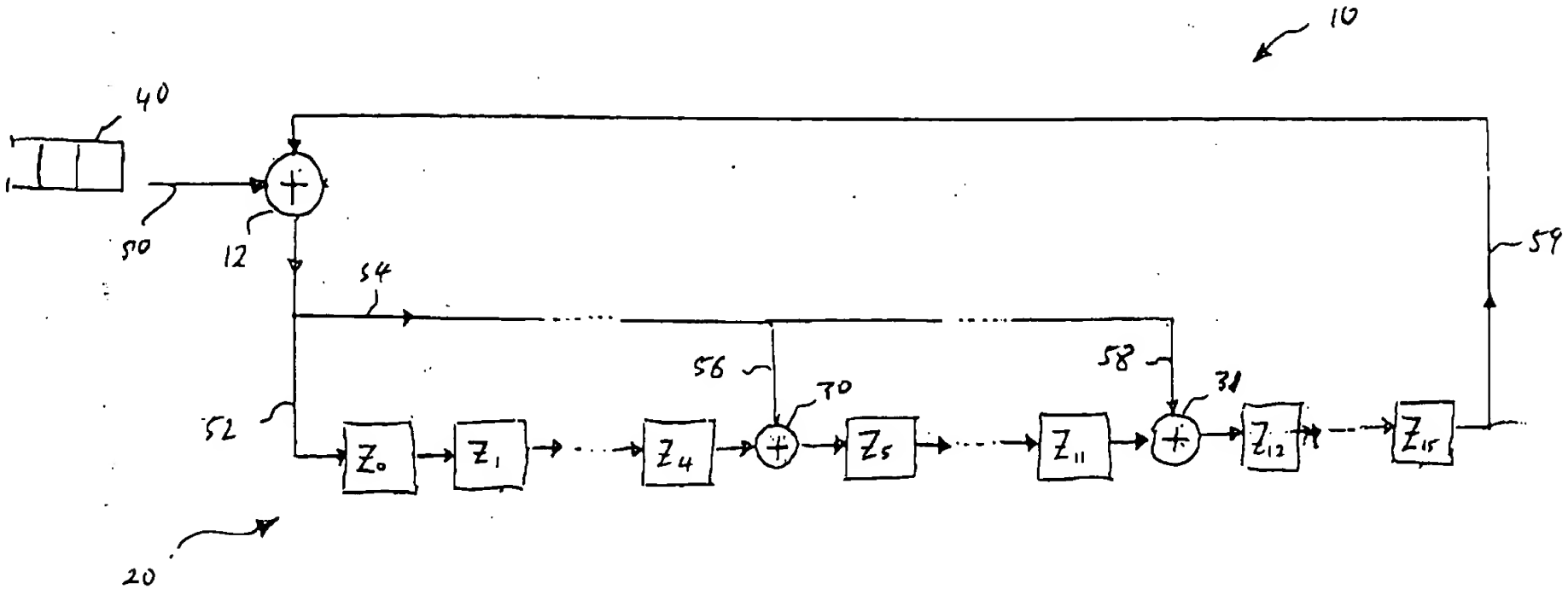


FIG. 1.

$$G(x) = x^{16} + x^{12} + x^5 + 1 = 0$$

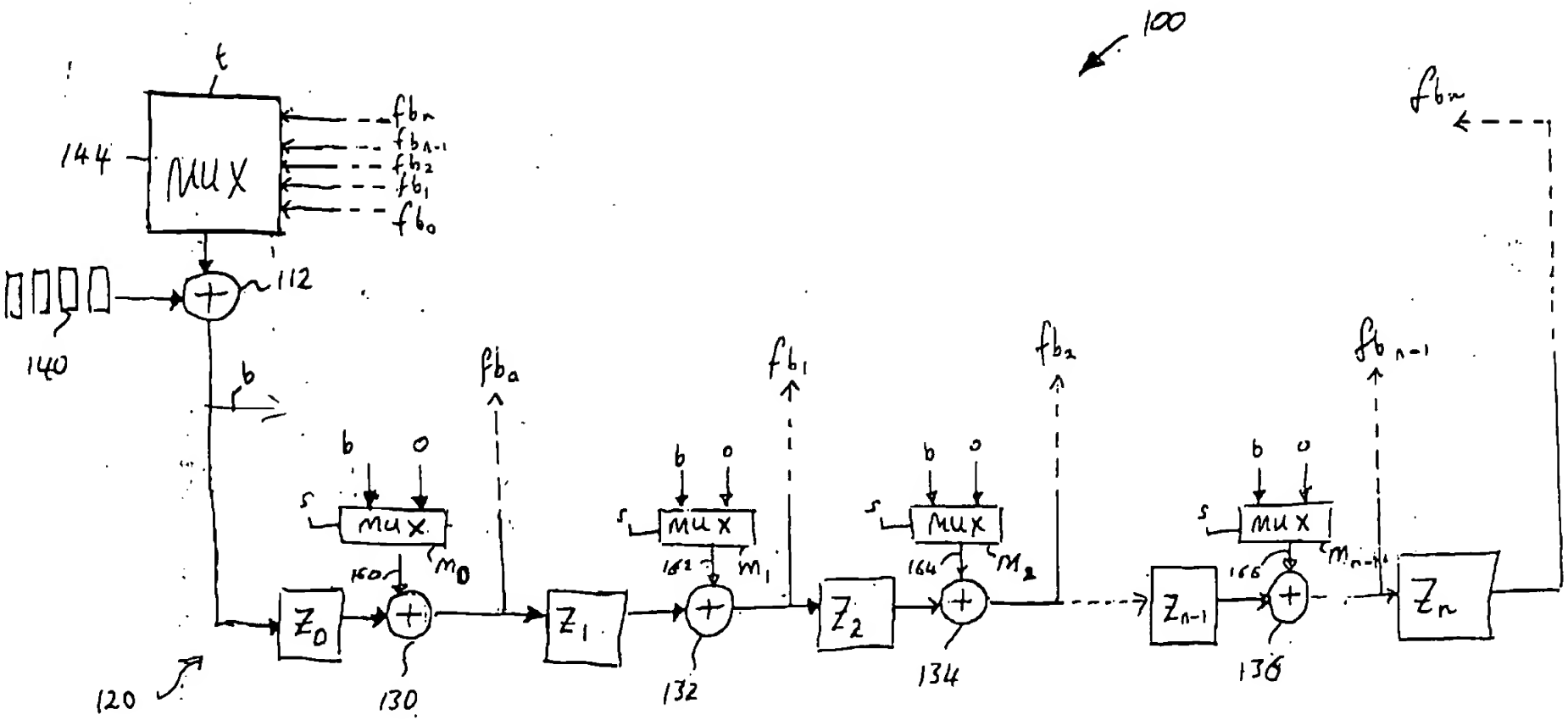


Fig. 2.

$$G(x) = x^{n+1} \ldots x^2 + x + 1 = 0$$

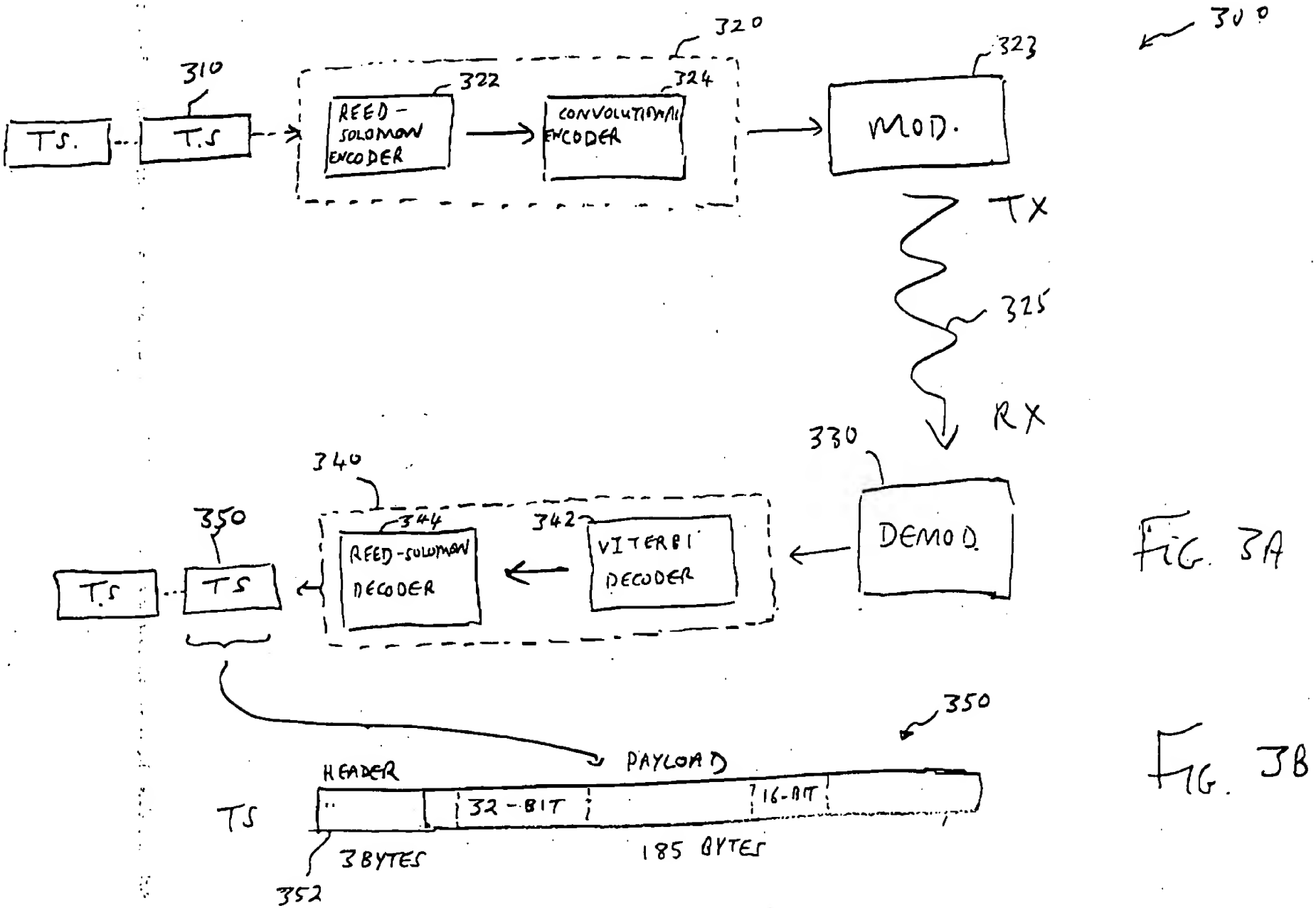
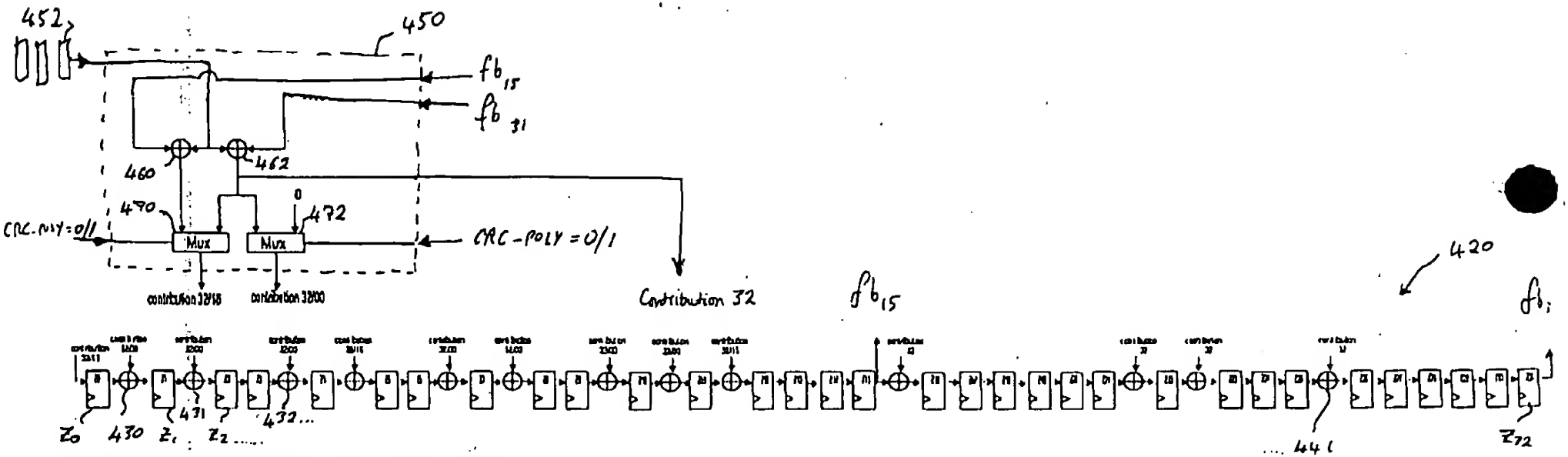

300
310
320
322
324
323
TS.
T.S
REED-SOLOMON ENCODER
CONVOLUTIONAL ENCODER
MOD.
TX
325
RX
330
340
350
344
342
DEMOD.
REED-SOLOMON DECODER
VITERBI DECODER
T.S
TS
350
PAYLOAD
HEADER
TS
32-BIT
16-BIT
3 BYTES
185 BYTES
352

FIG. 3A

FIG. 3B

FOSTER - MCSTEEN



Implemented CRC for Digital TV. CRC polinomials are:

$$G(x) = x^{32} + x^{26} + x^{23} + x^{22} + x^{16} + x^{12} + x^{11} + x^{10} + x^8 + x^7 + x^5 + x^4 + x^2 + x + 1$$

$$G(x) = x^{16} + x^{12} + x^5 + 1$$

FIG. 4